SC Kharkiv - Metadata Notes Kharkiv, Ukraine Project Datasets

1) Mobility Features

Data Collection Software/Platform: Survey123
Data Collection Hardware/Device: personal smartphones (models varied among numerous data collectors)

Coverage Area: Central Kharkiv, Ukraine.
> Coverage Details: Completion based on a visual inspection of survey points compared to the map of survey zones for the entirety of Kharkiv, Ukraine city limits *(zone map also available on the GeoNode).*
> - 41 of the 136 zones are mostly completed
> - 20 of 136 zones are partially completed
> - 75 of 136 zones were not surveyed

Attributes in dataset:
- Is this a street intersection, stairs, or subway station?
  - *If street intersection*:
    - Is there a curb cut or ramp for pedestrians to transition from the sidewalk to the street?
    - If there is a curb cut or ramp, what is the name of the road it provides pedestrian access to?
  - *If stairs*:
    - How many stairs?
    - Is there a handrail present next to these stairs?
    - What is the surface material for these stairs?
  - *If subway station*:
    - How accessible is this subway station entrance?
- Photos and Files

Who collected the data?:
- Students & professors from:
  - Beketov National University of Urban Economics
  - National Aerospace University
  - National University of Civil Protection
  - National University of Radio Electronics
  - V.N. Karazin Kharkiv National University
- Employees from:
  - City Information Center
  - Spaero GIS

Data Collection Time Period: May 11, 2016 - September 29, 2016

# of Data points: 2,417 points

2) Community Resources

Data Collection Software/Platform: Survey123

Data Collection Hardware/Device: personal smartphones (models varied among numerous data collectors)

Coverage Area: Central Kharkiv, Ukraine
>   Coverage Details: Completion based on a visual inspection of survey points compared to the map of survey zones for the entirety of Kharkiv, Ukraine city limits *(zone map also available on the GeoNode)*.
>   - 37 of 136 grids are mostly completed
>   - 13 of 136 are partially completed
>   - 86 of 136 not surveyed

Attributes in dataset:
- What type of community resource is at this location? *Choose general category, then:*
  - What type of healthcare facility is at this location?
  - What type of healthcare specialist is at this location?
  - What type of housing resource is at this location?
  - What type of childcare resource is at this location?
  - What type of employment resource is at this location?
  - What type of social service or general community service is at this location?
- What is the name of the facility?
- What is the street address of this facility?
- How accessible is this facility?
- Photos and Files

Who collected the data?:
- Students & professors from:
  - Beketov National University of Urban Economics
  - National Aerospace University
  - National University of Civil Protection
  - National University of Radio Electronics
  - V.N. Karazin Kharkiv National University
- Employees from:
  - City Information Center
  - Spaero GIS

Data Collection Time Period: May 11, 2016 - September 13, 2016

# of Data points: 1,494 points

3) Public Safety (Street Lights)

Data Collection Software/Platform: Survey123

Data Collection Hardware/Device: personal smartphones (models varied among numerous data collectors)

Coverage Area: Central Kharkiv, Ukraine
> Coverage Details: Completion based on a visual inspection of survey points compared to the map of survey zones for the entirety of Kharkiv, Ukraine city limits *(zone map also available on the GeoNode)*
> - 47 of 136 grids are mostly completed
> - 34 of 136 are partially completed
> - 55 of 136 not surveyed

Attributes in dataset:
- Is this a street light/lamp or evacuation gathering place?
  - *If street light/lamp:*
    - Does this light currently work?
    - What type of urban infrastructure feature does this light provide coverage for?
  - *If evacuation gathering place:*
    - How accessible is this facility?
- Photos and Files

Who collected the data?:
- Students & professors from:
  - Beketov National University of Urban Economics
  - National Aerospace University
  - National University of Civil Protection
  - National University of Radio Electronics
  - V.N. Karazin Kharkiv National University
- Employees from:
  - City Information Center
  - Spaero GIS

Data Collection Time Period: May 11, 2016 - September 11, 2016

# of Data points/size of dataset: 18,038 points

4) Zones_DataCollection

Description: Data collection zones of each university and their priority

Attributes in dataset: ID, ADM, INSTITUTIO, SURVEYOR

Creators:
- Vladymir Shypulin (Beketov National University of Urban Economics)
- Olena Sinna (V.N. Karazin Kharkiv National University)
- Sergey Dovzhenko (City Information Center)

Creation Date: May 25, 2016

Contents of dataset: 136 polygons

5) Kharkiv Urban Springs
Data Collection Software/Platform: Survey123

Data Collection Hardware/Device: personal smartphones (models varied among numerous data collectors)

Attributes in dataset:
- SpringID
- SpringName
- Outlets
- DebitLsec
- UncontFlow
- VisitsHour
- Access
- ApprCover
- ApprEquip
- ImprRate
- ImprElemts
- Services
- PollutProt
- Upstream

Who collected the data?: Team from Beketov National University of Urban Economics led by Dmytro Diadin

Data Collection Time Period: September 8, 2016 - April 3, 2017

# of Data points/size of dataset: 40 points